



USER GUIDE

For Laser® MVP

Multimedia Video Player

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Laser® MVP is a brand-new generation of digital portable device, supporting MP3/WAV music format, digital recording, FM stereo radio, AMV format playback, JPEG photograph browse and E-book text reading .Its perfect sound quality, great reliability and exquisite appearance make it a masterpiece.

1. Unique Features

- **Exquisite Appearance**

Unique ultra slim design

- **Multi-video Player**

e.g.: MP1, MP2, MP3, WMA, WMV, ASF and WAV Music format

- **Firmware Upgrade**

Providing the latest updated features via firmware upgrade from the website

- **FM Function**

You may easily listen to FM stations and set your favorite stations by using Auto search or Manual Search. The player can save 40 (20 for each Band) local stations .

- **Driver Free Disk Management**

You may manage your files directly through “Portable Disk” in “My Computer” on Winows2000 Operating System or above without driver installation.

- **“Private Space” Disk Mode**

The flash memory can be divided into two parts by using the accessory tools and one is encrypted to hide the contents (to prevent viewing by others)

- **Record/ Replay**

The player supports recording through built-in microphone and saves as WAV and ACT formats. Meanwhile it supports real digital A-B replay or comparison replay.

- **7 Preset EQ**

Normal, Rock, Pop, Classic, Soft, Jazz and DBB

- **Multi-play Mode**

Normal, Repeat One, Folder, Repeat Folder, Repeat All, Random, Intro.

- **Power Off**

Programmable Sleep Timer and Power Off mode.

- **GUI (Graphic User Interface) MENU**

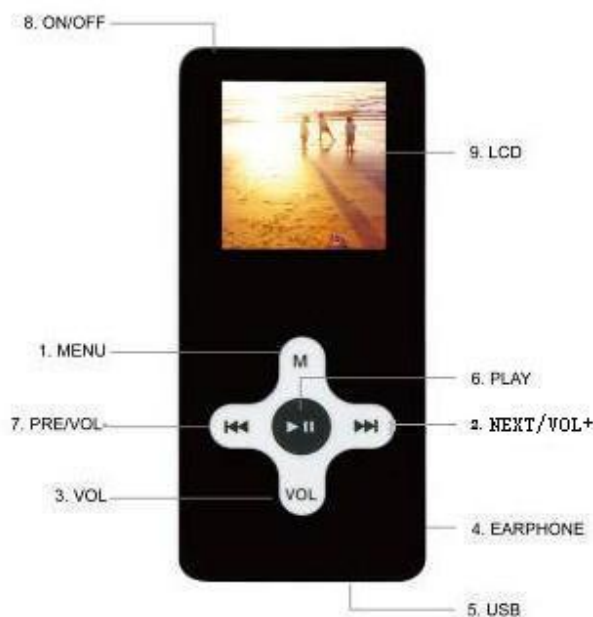
Animated MENUs with corresponding characters make it easy to operate.

Declaration

- Thank you for your purchase.
- Please read this manual carefully before using your new player.
- Contents in this manual may change possibly for better service.
- We have the right to make changes to this manual without notice.
- The pictures and diagrams used in this manual are a guide only and may not correspond to the actual product.
- If the actual operations of your player is not the same as the instruction in this manual, please visit our Website for latest product information – www.laserco.net

2. Locating the Controls

1 Appearance & Keys



S/N	Description	S/N	Description
1	Menu button	6	Play / Stop / turn on/off button
2	Next track/Forward (:)	7	Previous track/ Rewind (9)
3	volume control button(VOL)	8	Power switch
4	Earphone jack	9	LCD display
5	USB port		


I LCD Window




S/N	Description	S/N	Description
1	S/N of Current music/voice file	8	ID3 information
2	Lyric icon	9	Song name
3	Quantity of music/voice files in current folder	10	Folder name
4	EQ mode	11	Volume level indication
5	Battery indication	12	File format
6	Length of time with current music	13	Replay mode
7	Playback time	14	Bit rate

I Battery

The player is in multilevel level battery monitoring system.

 Indicates that the internal battery is fully charged.v

 Indicates low battery power and battery should be charged up.

3. Basic Operation

I Entering MENU System

Pressing MENU button will enter the menu system, including main MENU (press and hold MENU button at Stop state), submenu at Play state (press MENU button to enter) and submenu at stop state (press MENU button to enter).

I Browsing

○Browsing music files or menu options :

Press : /9 button

○ Fast forward or fast backward when playing:

Press and hold : /9 button

I Entering Different Modes

You may enter different modes from the main MENU.



Music mode:



Record mode:



Voice mode:



FM mode:



Browsing Pictures:



System Setting:



USB Mode when connecting to PC:



I Volume Control

At the music mode, voice mode and FM mode, press VOL buttons to enter the volume control interface and then press the : /⌵ button to adjust volume

I Power On/Off

1. Turn on automatically

w After pushing the **Power** button (OFF→ON) , the player will turn on automatically and enter powered on state:



w

w When connecting the USB cable to PC, the player will turn on automatically and enter USB mode:

Remark:

Press **MENU** button to return to the main MENU at the modes. When connecting the USB cable to PC. Press and hold **PLAY** button then will go back to USB mode.

2. Turn the unit ON/OFF manually

- ◆ When the player is switched off, press and hold **Play** button to turn the unit on
- ◆ When the player is switched on, press and hold **Play** button to turn the unit off

I Play & Stop (Pause when recording)

Press the **PLAY** button

4. Operating buttons

I Music mode and Voice mode

Buttons	Operation	Stop Status	Play Status	Play Submenu	Stop Submenu
PLAY	press and hold	Turn off	Turn off	Turn off	Turn off
	Press	Play	Stop	Exit from MENU	Exit from MENU
MENU	Press and hold	Enter main MENU	Enter main MENU	Enter main MENU	Enter main MENU
	Press	Enter Stop-submenu	Enter Playing- submenu	Confirm current option or enter next submenu	Confirm current option or enter next submenu
:	Press	next song	Play next song	Switch submenu	Switch submenu
	Press on	Continuous forward browse	Fast forward	Continuous forward	Continuous forward
9	Press	Previous song	Play previous song	Switch submenu	Switch submenu
	Press on	Continuous backward browse	Fast backward	Continuous backward	Continuous backward
VOL	Press and hold	Enter voice REC state	Enter repeat state	X	X
	Press	Enter volume control state	Enter volume control state	X	X

I Record Mode

Operation	Action	Stop Status	Record Status
PLAY	press and hold	turn off	stop recording
	press	start recording	pause recording
MENU	press and hold	enter main MENU	X
	press	enter Record submenu	X



I FM Mode

Operation	Action	FM Status	FM Submenu
Play	press and hold	turn off	turn off
	press	X	quit from MENU
MENU	press and hold	enter main MENU	enter main MENU
	press	Enter submenu	confirm current option or enter next submenu
:	push	increase 100KHz gradually or stop search	switch submenu
	press on	Increase 100KHz search continuously	continuous forward
9	push	decrease 100KHz gradually or stop search	switch submenu
	Push on	decrease 100KHz search continuously	continuous backward
Vol	press	Enter volume control interface.	X

5. Play Music

I Basic Operation

1. Connect the earphone to the player	2. Push POWER to ON
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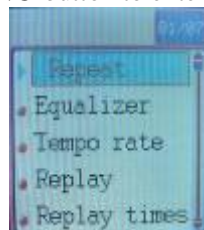
<p>3. Press and hold PLAY button to power on the player, and then enter the main MENU:</p> 	<p>4. press MENU button to enter the Music mode:</p> 
<p>5. Press the PLAY button to play music</p>	<p>6. Choose music ⏮ button : to choose previous track. ⏭ button : to choose next track.</p>
<p>7. Volume control Press the VOL button to enter volume control interface and the press the: ⏮ button to adjust volume.</p>	

I EQUALIZER Mode

1. When playing music



2. Press the **MENU** button to enter Play Submenu



3. Press: **⏮** button to choose Equalizer option

4. Press the **MENU** button to enter EQ selection **MENU**.

EQ options list:

5. Press **⏮** button to switch, and press **MENU** button to confirm

I Lyric Display

This player supports “*.LRC” lyric files (user can download from internet or use the lyrics editor to edit it.), and lyrics may be synchronous displayed while playing music.

¶ How to use lyric files?


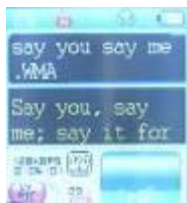
Save the lyric file with the same name as that of the corresponding music file.

For example.: Music file name: GiGi-Sky.mp3

Lyric file name: GiGi-Sky.LRC.

¶ How to know whether the lyrics exist?

If the current song has matching lyric files, the lyric **LYRC** sign will be displayed at the top of music mode.

<p>1. Current song has matching lyric files</p> 	<p>2. Press and hold MODE to enter the Lyric Interface when playing.</p> 
<p>2. Press MENU button to return to Music play mode.</p>	<p>4. Browse lyrics manually. Press VOL to browse lyrics.</p>

6. Movie mode

1. Enter the main MENU and press the : button to select “AMV” mode.






2. Press MENU to enter.
3. Press PLAY to start playing AMV files
4. Choose movie
 - ⌂ button : to choose previous file.
 - : button : to choose next file.
5. Volume control
Press the VOL button to enter volume control interface and the press the: /⌂ button to adjust volume.

7. Record Voice





Make sure that the battery is not in the status of “low battery”.

The player may save 99 recording files under each directory.




I Recording in Record Mode

1. At the main MENU.	2. Press : button to choose recording mode.
	
3. Press <i>MENU</i> button to enter Record mode	4. Press <i>Play</i> button to start recording.
	5. Press <i>Play</i> button again to pause recording.
	6. Press <i>Play</i> button to continue recording.
	7. Press and hold <i>Play</i> button to stop recording.

I Select REC type

1. At the record mode stop interface :	2. Press <i>MENU</i> button to enter record submenu																
																	
3. Press : button to select “ REC type” option	4. Press <i>MENU</i> button enter this option																
																	
5. Press : button to select desired recording type	REC type: <table><tr><td>32K W40</td><td>Fine REC</td><td>WAM format</td><td>Fine timbre</td></tr><tr><td>32K W40</td><td>Long REC</td><td>ACT format</td><td>Generic timbre</td></tr><tr><td>32K W40</td><td>Fine VOR</td><td>WAV format</td><td>Voice control record</td></tr><tr><td>32K W40</td><td>Long VOR</td><td>ACT format</td><td>Voice control record</td></tr></table>	32K W40	Fine REC	WAM format	Fine timbre	32K W40	Long REC	ACT format	Generic timbre	32K W40	Fine VOR	WAV format	Voice control record	32K W40	Long VOR	ACT format	Voice control record
32K W40		Fine REC	WAM format	Fine timbre													
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32K W40		Fine VOR	WAV format	Voice control record													
32K W40	Long VOR	ACT format	Voice control record														
6. Press <i>MENU</i> to confirm the type selected																	
7. Press <i>PLAY</i> button to start recording																	
Note: Voice control will automatically pause the recording when no sound is present.																	

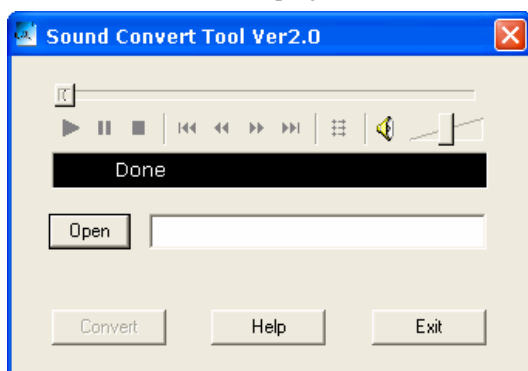
8. Play Recorded Files

<p>1. Enter the main MENU</p> 	<p>2. Press : button to choose “ Voice mode”</p> 
<p>3. Press MENU button to enter Voice mode interface</p> 	<p>4. Press PLAY button to start playing.</p> <p>8. Choose music 9 button : to choose previous record file : button : to choose next record file.</p> <p>9. Volume control Press the VOL button to enter volume control interface and the press the: /9 button to adjust volume.</p>

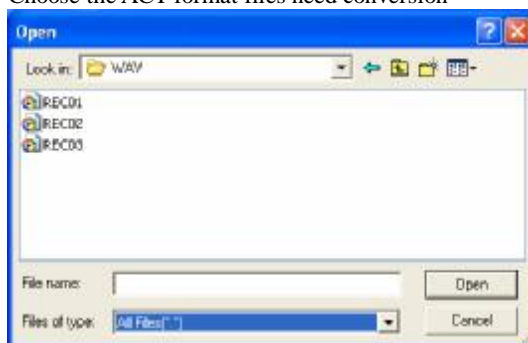
U Convert ACT format files to WAV format files

The ACT format files can be converted to WAV format files through the accessory installation tools.

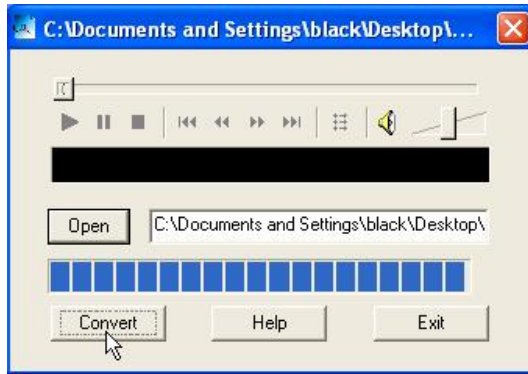
1. Run “Sound Convert Tool” program, and click “Open” button.



2. Choose the ACT format files need conversion




3. Click the “Convert” button, the conversion starts



- Besides the conversion from ACT to WAV, the accessory tool can also play WAV and MP3 files.

9. Operate FM Radio

<p>1. Enter the main MENU</p> 	<p>2. Press : switch to select FM Mode.</p> 
<p>3. Press <i>MENU</i> button to enter FM mode</p> 	<p>4. Press <i>MENU</i> button to enter FM submenu ,</p> 

Submenu options introduction:

■ Auto Search

At FM mode press the button to start search stations automatically, then the player can auto scan any frequency between 87.5MHZ and 108MHZ

■ Manual search

Press $\ominus / :$ button = forward or backward single step 100KHZ to manually search for a station ; Press the $\ominus / :$ button for about 2 seconds, and the player scans forward or backward and stops at the scanned station. If you want to stop scanning, press $\ominus / :$ switch to stop.

■ Save the manual searched stations

Enter FM submenu and search “ Save” option, and then Again press *MENU* button to save current station.

■ Listen to the saved stations


If there exist more than one station, press PLAY button to listen to the station in sequence.

■ FM Record

Press MENU button to enter FM submenu, and then press (button to choose “MP3 Record” or “ Fine REC” or “ Long REC” options, and then press MENU button to enter FM Record interface and start recording;

(Other operations are same as the section of “Record Voice”).

Note:

- s The player supports US Band (FM87 - 108MHz) and Japan Band (FM76-90MHz), suitable for different areas. For Oceania, please choose the US band. (Press MENU button to enter FM submenu, and press : button to select desired frequency channel.)
- s If the current station is in STEREO status, an icon “” will be displayed on the LCD.
- s To delete saved stations please refer to the file deletion section

10. Using the Telephone Book

Look over the Telephone Book information, which stores information including name, mobile telephone number, telephone number, E-mail, IM and FAX numbers. Detailed operation is as follows:

I Browse Telephone Book information

1. Enter the main MENU



2. Press the : button to select “Tel Book”



3. Press the MENU button to confirm and enter.



4. –Press the **PLAY** button to select the “Browse file”; Press the MENU button to import Tel file and export Tel file function.



5. Press the : button to select name, which will be needed to browse object. And press the MENU button to enter.



6. Press the PLAY button to return to select object interface.

Remark: The Tel_save.bin file must be imported before entering this MENU, otherwise the LCD will display “empty”

I Import Telephone Book information

Use this function to import new Tel Book information to this player. Detail operating steps is as follows:

1. Use the telephone directory processing tool created Tel_save.bin file.
2. After connecting the player to PC, the Tel_save.bin file needs to be copied to the root directory of the player .
3. Enter the Tel Book MENU, and then select and enter “import Tel file” option , after turning on the player.
4. Confirm to import Tel_save.bin file to the player.





I Export Telephone Book information

Use this function to export Tel Book information, which be saved to this player and generate a file that can be edited through the telephone directory processing tool in accessory CD on PC. Detailed operating steps is as follows:






1. Enter the Tel Book mode, and then select and enter “export Tel file”
2. Confirm to export Tel Book data .
3. After connect the player to PC, user can find Tel_Expt.bin file at the root of the disk .

11. E-Book function

This function supports all TXT file.





1. Enter the main MENU. 	2. Press : button to choose " E-Book" 
3. press MENU button to enter TXT file selection MENU (if no text files are present the display will read " No files") 	4. Press : button to select desired text file to read, and then press Play button to enter text interface 
5. Press : /9 button to turn the pages in sequence. (only suitable for " Manual play")	

I Play set




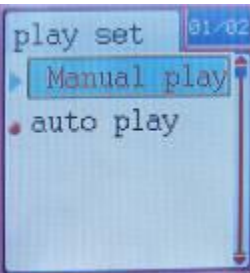
1. At the text file selection MENU 	2. Press MENU button to enter submenu 
3. Press : button to choose " play set" option: 	4. Press MENU button to enter this option: 
5. Press : button to choose " Manual play" or " auto play" options, and then press MENU button to confirm.	6. When chose the " auto play" options and then enter this interface as follows: 
7. Press /(button to adjust "auto play" speed, press MENU button to confirm.	
Remark: When reading E-BOOK, press and hold MENU button to fast exit from picture interface and return to the main menu ; press PLAY button to exit from E-BOOK also.	


12. JPEG Album

This function supporting all JPEG format picture in network.

<p>1. At the main MENU</p> 	<p>2. Press : button to choose “ JPEG Album” option:</p> 
<p>3. press <i>MENU</i> button to enter picture selection (if no pictures are present, the display will read “ No files”)</p> 	<p>4. Press : button to choose desired picture, and then press <i>Play</i> button to view</p> 
<p>5. Press : / button to browse picture in sequence.. (<i>only suitable for “ Manual play”</i>)</p>	

I Play set

<p>1. At the picture selection MENU:</p> 	<p>2. Press <i>MENU</i> button to enter picture submenu</p> 
<p>3. Press : button to select the “ play set ” option:</p> 	<p>4. Press <i>MENU</i> button to enter the interface as follows :</p> 

5. Press : button to choose “ Manual play” or “ auto play” options, then press MENU button to confirm.	6. When chose “ Auto play” options and then press MENU this interface as follows: : 
7. Press : /⌚ button to adjust “ auto play” speed , press MENU button to confirm.	
Remark : when viewing pictures, press and hold MENU button to exit from picture interface and return to the main menu ; press PLAYbutton to exit from picture interface also.	

13. Game

There are a number of games preloaded in the Laser MVP. We have supplied the instructions for one of the games that may be on the unit.

The object of Minesweeping is to locate all the mines as quickly as possible without uncovering any of them. If you uncover a mine, you lose the game.

Game view:



Button explain:

MENU button: enter game/uncover a square

: Button: right e

⌚ Button: left

VOL+: down

VOL-: up

PLAY button: inset red flag (dig mine).

Remark: You can uncover a square by clicking it. If you uncover a mine, you lose the game. If a number appears on a square, it indicates how many mines are in the eight squares that surround the numbered one. To mark a square you suspect contains a mine, please press the PLAY button to inset red flag.

14. System Settings

System parameters can be set here and every option varies according to firmware upgrading

At the MENU, press : to select the “SETUP”:



Press **MENU** button to enter system settings :





I Parameters

Clock	Set the date and time when recorded files are saved
LCD set	Set the period of time (seconds) when Backlight stays on without any operation
Language	Set different language
Power off	Set a fixed time after which the player will turn power off automatically
Replay mode	Set working states on Replay mode
Online Mode	An option specially designed for "Private Space" function
Memory info.	Show memory capacity and percentage that has been used
Firmware Version	Show firmware version
Firmware Upgrading	Only used for firmware upgrading
Exit	Exit from current interface


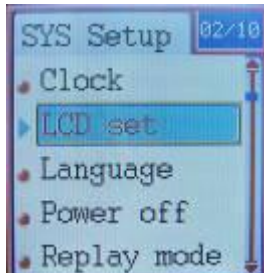
I Instruction

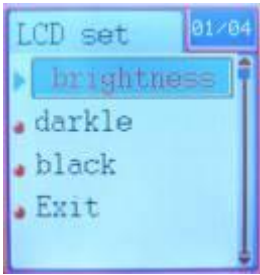

○ "Clock" set

1. System Setting Interface 	2. Press <i>MENU</i> to enter Record Time Interface. 
3. Press <i>PLAY</i> to set time in sequence of "YY-MM-DD"	4. Push : /9 button to adjust numbers
5. Press <i>MENU</i> to confirm and exit.	

○ "LCD set" setting

Operating steps is as follows:

1. At System Setting interface, 	2. Press : key to select " LCD set" option, 
--	---

<p>3. Press <i>MENU</i> button to enter “ LCD set” submenu:</p> 	<p>4. Press : button to choose, and press <i>MENU</i> button to confirm and enter adjust interface as follows (e.g.: Black):</p> 
<p>5. Press : /9 button to adjust time (Unit : second) , and press <i>MENU</i> to confirm and exit.</p>	

- brightness
Set light and shade contrast of OLCD screen
- Darkle mode
Set fixed period of time (unit: second) , before the player will turn off the screen dark automatically. If “ 0” is selected, function is invalid.
- Black mode
Set fixed period of time (unit: second) , before the player will turn the screen off automatically. If “ 0” is selected, function is invalid.

○ “Language” setting

1. At System setting interface, press : /(button to select “Language” icon:	2. Press <i>MENU</i> button to enter “Language” setting interface:
3. Press /((button to select desired language.	4. Press <i>MENU</i> to confirm to exit.

○ Power Off

Operating steps refer to Language setting.

Off Timer mode refers that after a fixed period of time (unit: second) when no operation of keys at Stop mode, the player will turn off automatically to save power. If “0” is selected, power saving function is invalid.

Sleep Timer lets you select a fixed period of time (unit: minute) for the player to turn off automatically when no keys are pressed no matter which mode the player is in. This function is specially designed for listening to music before sleep. **Note:** Setting of Sleep Timer is valid only once and the set time will be cleared after power off.

○ Replay Mode

Operating steps refer to Equalizer Setting

Manual Replay means that at A-B Replay Mode the endpoint B can be set manually only.

Auto Replay means that at A-B Replay Mode the endpoint B can be set automatically. (Especially for English Reading files without music)

○ **Online Mode**

Operating steps refers to Equalizer setting.

Some operating systems (under Windows 2K SP4) can not support two driver letters in one USB disk. Thus, if “Private Space” function is on, choose which disk you are going to use, i.e., “single ordinary disk” or “single encrypted disk”, in order for correct display of selected disk after connecting to PC.

○ **Memory Info.**

The number displayed represents total memory capacity and the percentage refers the capacity used.

○ **Firmware Version**

Firmware Version information the player uses can be obtained here.

○ **Firmware Upgrade**

It is specially designed for Firmware Upgrade.

15. Use USB Disk

The player supports standard USB disk function under Windows®98 (driver needed), Windows®2000 and above (driver free), Mac OS 10.3 and above, Linux 2.4.2 and above.

The player supports power supply through USB. At waiting Mode, press **MENU** to exit to main MENU, then select to enter desired mode.

The player also supports Suspend Mode.

How to connect to PC? Power on the player and plug the USB cable to enter the following Mode 1.

The player may display the following mode after connecting to PC:

1. Waiting state :



2. Downloading state:



3. Uploading state:








○ **Creating new folders**

The player can identify the 99 folders set up in the U-disk.

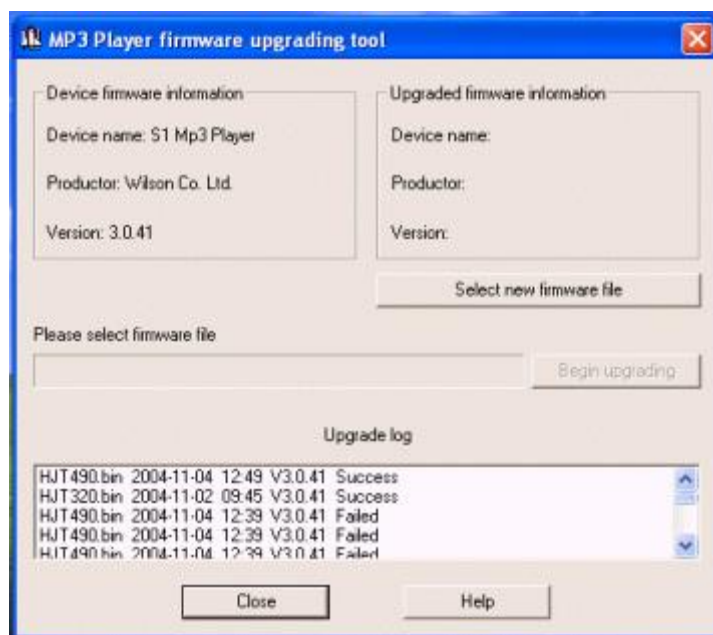
16. Firmware Upgrade

The player supports firmware upgrading or maintenance through installing special tools on PC.

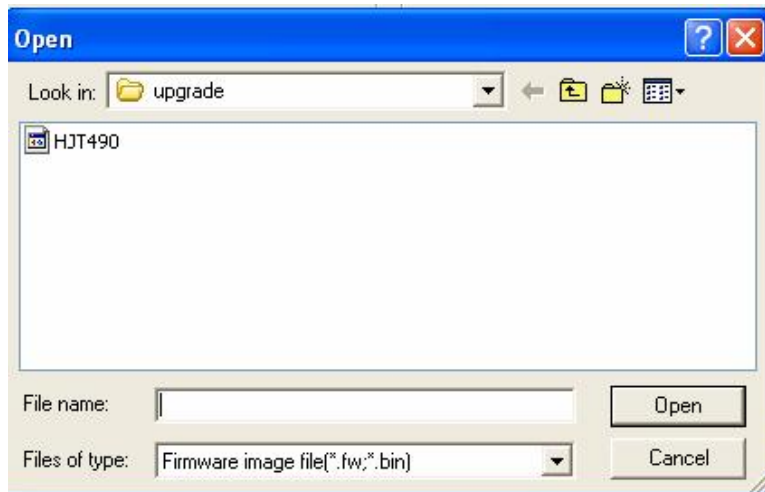
<p>1. Enter the main MENU.</p> 	<p>2. Press : button to select " SETUP"</p> 
<p>3. Press <i>MENU</i> button to enter System Setting.</p> 	<p>4. Press : button to choose " Firmware upgrade"</p> 
<p>5. Press MENU button to enter " firmware upgrade" interface</p> 	<p>5. Connect the player to PC</p>

7. Run the "MP3 Player Update" program in upgrading tools on PC, then click "Select new firmware file" button. the UI is as follows:

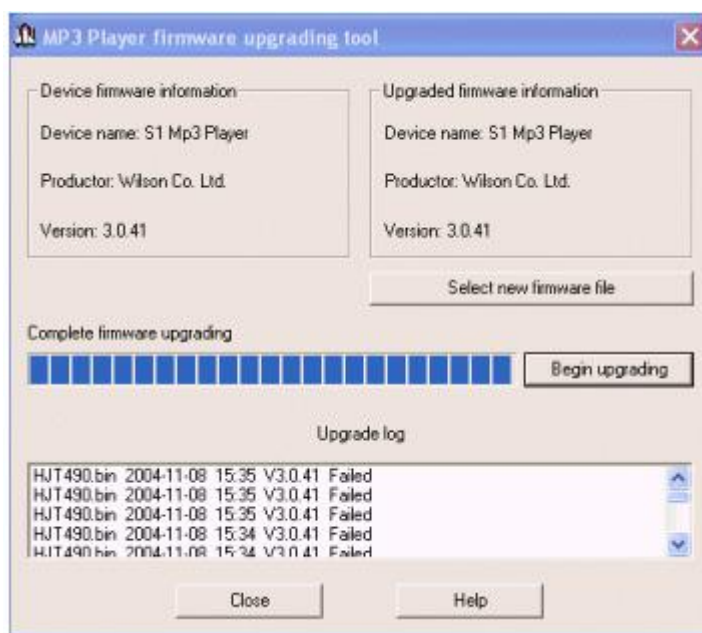
8.



9. Choose new firmware program (You may find it in accessory CD or download from our website.)



10. Click “Start” button, the system starts upgrading.



11. The Unit will display
12. If upgrade is successful, the player will reset.

F Notice:

Ÿ Firmware upgrade is an operation to promote and optimize the performance of the player. Even if the firmware works without upgrading, there is not any influence on the normal operation of the player.





Ÿ Incorrect operation of firmware upgrading may cause the player to operate abnormally. Please read the manual carefully before operation. Firmware upgrading should only be performed by people with sound knowledge in computer hardware.

Ÿ The firmware is specially programmed for this player only.

17. Other settings



I Select Folders (At Stop Submenu)





Users can save files in different folders (folders should be created on PC in advance), to manage and play files according to different types. The player supports identification of 99 subdirectories.

1. At Stop interface. (Current example is at Music Mode, and folders can be selected at Record mode , Voice Mode, JPEG Album and E-book also.) 	2. Press MENU button to enter Stop Submenu. 
3. Press MENU button again to enter Select Folder interface. 	4. Press : / 9 buttons to choose folders. 
5. Press MENU button to confirm the folders selected.	
Note: Independent folders can be set at corresponding modes as Music Mode, Record Mode, Voice Mode, JPEG Album mode and E-book mode i.e., three modes are not bound to correspond with the same folder.	

I Delete File (At Stop Submenu)

Files and FM stations can be deleted at corresponding modes as Music Mode, Voice Mode and FM Mode.

1. At the stop interface. (No stop interface exists at FM Mode) 	2. Press <i>MENU</i> button to enter stop submenu 
--	---

<p>3. Press : buttons to choose “ Delete” option.</p> 	<p>4. Press <i>MENU button</i> to enter Delete file folder</p> 
<p>5. Press <i>MENU button</i> to enter Delete file folder submenu</p> 	<p>6. Press : button to choose “ Delete” or “ Delete all” , and Press <i>MENU button</i> to confirm and deletion starts.</p> 

Remark: “Delete All” means to delete all the relevant files at current mode in current folder. (For example, at Music Mode executing “Delete All”, all the music files in current files may be deleted, while recorded files will not change.)

The deleting interface is much simpler at FM Mode, only to the 3rd step. It is the saved stations to be deleted.








Note: When deleting files on PC, please take care to eject the player safely before pulling out USB cable, otherwise files may not be deleted.

I Play Mode (Play Submenu)

When playing music and recorded files, different play modes can be selected.



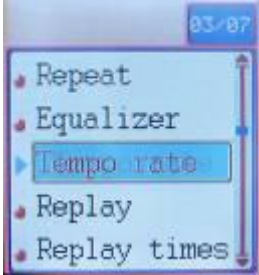
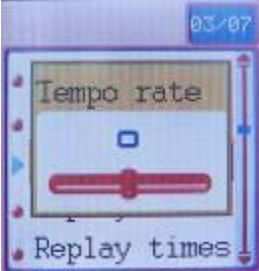
Enter play/stop submenu to enter

The first option in Play Submenu is Play Mode. The player will play files according to the mode selected.

	Normal	Play files in current folder in normal sequence and then play other files in next folders one by one
	Repeat One	Play a single music file repeatedly
	Folder	Play all music files in current folder in sequence and stop
	Folder All	Play all music files in current folder repeatedly
	Repeat All	Play all music files repeatedly
	Random	Play music files in current folder randomly
	Intro	Play the first 10 seconds of each music file in sequence in the current folder

I Tempo Rate (Play Submenu)

When playing music (Only for MP3 formats) or recorded files, a different tempo rate can be set (faster or slower) without changing the tone.

<p>1. When playing music</p> 	<p>2. Press MENU button to enter Play Submenu is as follows:</p> 
<p>3. Press : button to choose Tempo Rate option</p> 	<p>4. Press MENU button to enter Tempo Rate interface is as follows:</p> 
<p>5. Press : button to quicken tempo rate and press 9 button to slow down tempo rate.</p>	

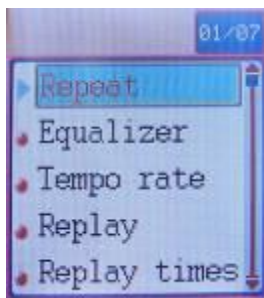
I **Replay Mode**

○ **A-B Replay**

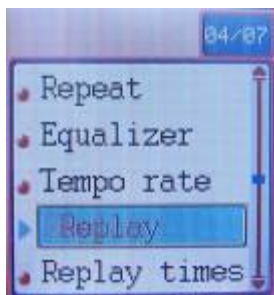
1. At Music Mode or Voice Mode



2. Press **MENU** to enter Play Submenu.



3. Press : to select "Replay".



4. Press **MENU** to enter Replay.



: “A” flickers in Replay Mode icon  and start point is to be set.


5. Press : to set “A”.



After “A” set, “B” flickers in icon , and endpoint B needs to be set.



6. Press : to set “B”.




Replay icon  is fixed and A-B segment replay begins. When replay times count up to times set in advance, the player will quit from Replay Mode. At Replay Mode, pressing **⏮** can set “A” again to select another segment. (Setting of replay times refers to “Replay Times” in the : section.

○ Follow Read (This function does not exist in Voice Mode)


1. Replaying A-B segment, Press : to enter Follow Read Mode.


2. Replay icon  changes to Follow Read icon , and recording commences. The recording time is as long as A-B segment.

3. After recording time, the icon changes to , and original sound is played. Press : button to enter Comparison.

- At this mode, pressing \ominus button will return to A-B Replay Mode.

- o **Comparison (This function does not exist in Voice Mode)**

1. Enter this mode, Replay icon changes to  and original sound is played.

2. After playing the original sound, the icon changes to , and the recorded sound of users is played

3. After playing the original sound, the recorded sound is played again. The whole procedure will not stop (without limitation by Replay Times) until press **MENU** to exit.

- At this mode pressing \ominus will return to Follow Read Mode.

- At the three modes above, pressing **MENU** will exit from Replay Mode directly.

I **Replay Times (Play Submenu)**

Operating steps refer to Backlight setting.

Replay times mean that after A-B segment has been replayed up to fixed times, it will exit from Replay Mode.

I **Replay Gap (Play Submenu)**

Operating steps refer to Backlight setting. Replay gap means the break period between different playing times (unit: second).

I **Privacy Recommendation**



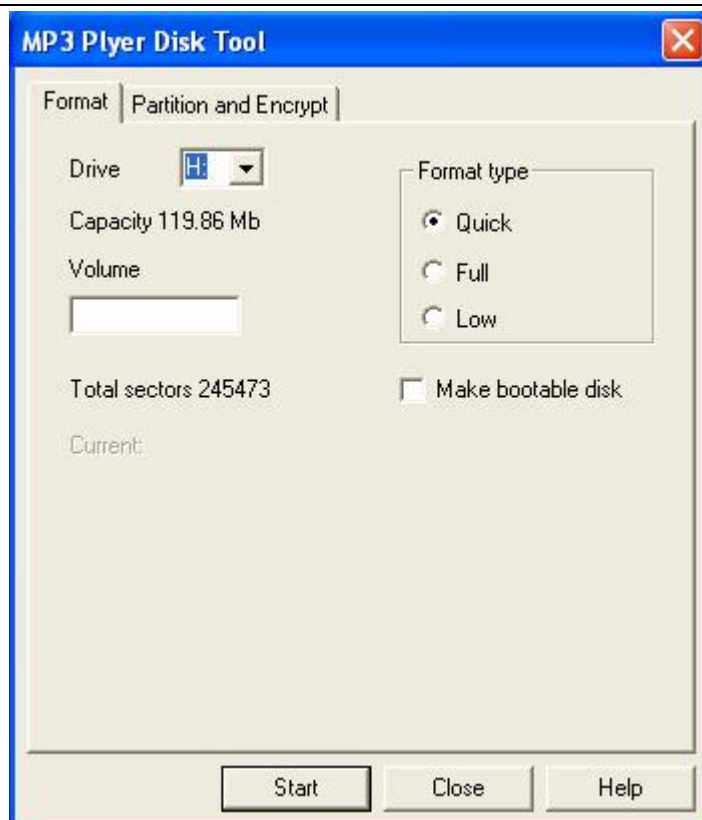
Private Space function

Many users are concerned by the possibility of information disclosure and private data accessed by others.

The “Private Space” function provided by this player completely solves the issue.

Users may divide the USB disk of this player into two disks (users may see two driver letters on Windows® XP, However Windows® 2000 users should install Service Pack 4, otherwise only one drive letter can be seen. (Users running Windows® 2000 without SP4 must choose “single ordinary disk” or “single encrypted disk” in “Online Mode” of “Sys Setting” MENU.), and one part can be encrypted as private space which needs password to access to. (If users do not encrypt both parts, USB memory may be treated as two disks.) Connect the player to PC.

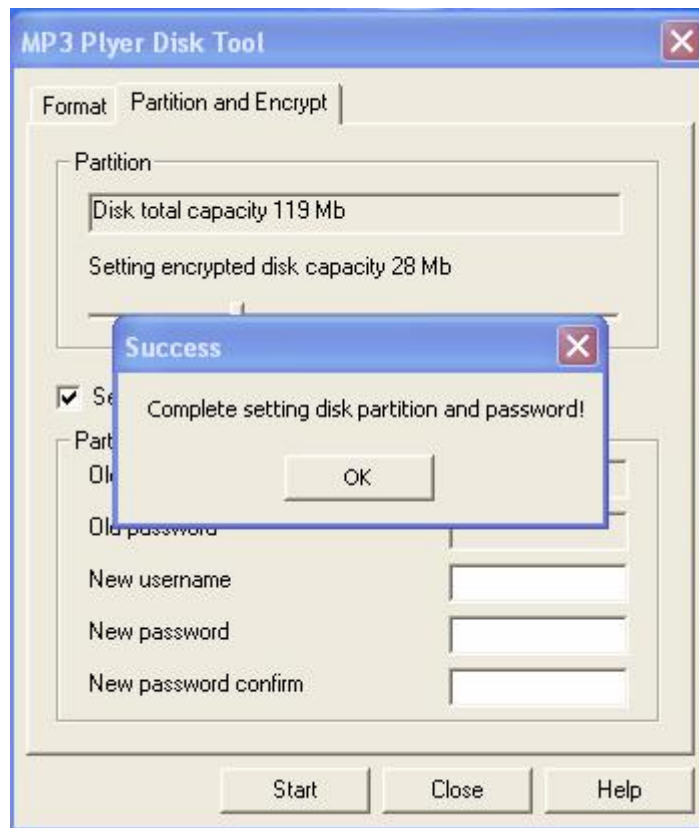
1. Run the accessory installation tools “MP3 Player Disk Tool”.



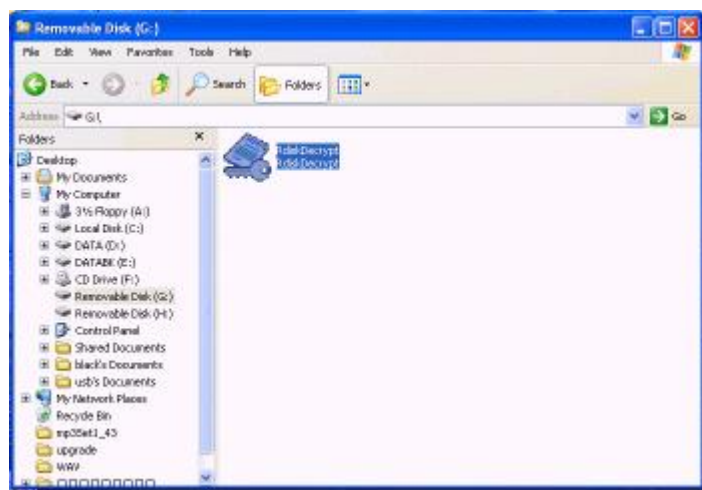
2. The first is format tool. Choose “Partition and encrypt” option, and set a desired capacity for the encrypted disk, then choose the setting of username or password. Fill the username in the blank “New username”, and password in the blank “New password”, then input the same password again in the blank “New password Confirm”. After the above operation, click “Start” button, and partition starts.



3. Partition finishes with dialogue as follows:



4. Press “OK”, then PC may restart.
5. Two disks may be displayed after restarting (only one driver letter may be displayed when under Windows 2K). Click to access the encrypted disk and there is a executable file



6. Run the executable file “RdiskDecrypt.exe”, and input username and password in dialog box. If they are correct, disk can be accessed and files can be copied.



7. Username and password is required to access to the encrypted disk in every connection to PC.

F Note: Dividing one disk into two parts may erase the data in it. Please backup the data in disk before division. And merging two parts to one may also erase the data.

F Warning: Do not lose the user name and password you've input, otherwise you can not access the encrypted disk and you have to merge the two parts to cancel the encrypted disk with all files being deleted.

Trouble Shooting

No Power	- Check whether the player is turned ON.
No sound is heard from headphone.	- Check whether Volume is set "0" and connect the headphone plugs firmly. - Check whether the headphone plug is dirty. - Corrupted MP3 may make a static noise and the sound may cut off. Make sure that the music files are not corrupted.
Characters in LCM are corrupted	- Check whether the right language has been selected.
FM Reception is poor.	- Adjust the position of the headphone and player. - Turn off the power of other electric devices near the player. - The headphone may be used as the antenna.
Download of music files fails.	- Check whether USB cable is damaged and is connected properly. - Check whether driver is installed correctly. - Check whether the player's memory is full.

Specification

Dimension	90*40*8mm	
Weight	45g	
LCM Window	1.5" CSTN screen	
PC connection	USB2.0	
Flash memory	128M—2GB	
Battery	Max Play time:5 hours	
Record	Sample rate	8KHz
	Recording format	WAV (32K bps) , ACT (8K bps)
	Recording time	35 hours (ACT, 128M Flash)
MP3. WMA. WMV. ASF	Max output of headphone	(L) 10mW+ (R) 10mW (32Ohm)
	MP3 bit rate	8K bps – 320K bps
	WMA. WMV. ASF bit rate	5K bps – 384K bps
	Frequency response	20Hz to 20KHz
	SNR	85dB
	Distortion	<0.05%
FM radio	Receiving frequency range	76MHz – 90MHz / 87.5MHz – 108MHz
	Stations saved	20+20
	Max output of headphone	(L) 10mW+ (R) 10mW (32Ohm)
	SNR	45dB
Music format	MP1. MP2. MP3. WMA. WMV. ASF. WAV	
Working temperature	-5 to 40 °C	
multi- language show	Simple Chinese , Trad Chinese , Japanese , Korean , English , French , Italian , German , Spanish , Swedish , Portugal , Denmark , Dutch, Russian, Czech	
Operating System	Windows98/SE/ME/2K/XP. Mac OS 10. Linux 2.4.2	

Note: Product design and specification may change without notice.

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